Integrated HVAC Control & Zoning Solutions

AIRZONE VAF
AIDOO WI-FI CONTROLLER
AIDOO PRO CONTROLLER

We do what we know best

ZONING AND CONTROL SOLUTIONS FOR RESIDENTIAL AND COMMERCIAL APPLICATIONS

State-of-the-art control and integration solutions for Inverter/VRF

Airzone VAF and Aidoo Wi-Fi solve the problems of zoning, control and connectivity of the ducted and ductless indoor units in residential and commercial applications.

The most efficient HVAC control solution in the market

A whole new level of energy efficiency and control in HVAC

Independent temperatures
Choose the perfect temperature for each room. The best solution to the varying needs of different users.

Comfort 24/7
Get the utmost comfort with one ducted unit and enjoy the convenience of zoning.

Energy efficiency
Our energy-efficiency algorithms promote the rational use of energy while getting the most out of the system.

Individual ductless unit control
Enjoy the full potential of the unit with control from anywhere, anytime.

Economic savings
Reduce the consumption of the system by zoning: turn on only the zones you actually use.

Latest BMS/Home Automation
Connect your Airzone system easily to the most popular BMS/Home Automation on the market.

High quality
Recommended by the top AC manufacturers around the world. 20 years of experience at your service.

Cloud technology
Control the temperature of your home from your smart device. Enjoy an up-to-date system 24/7 thanks to Airzone Cloud.

Airzone VAF

Fundamentals

The Airzone VAF Zoning System is the perfect combination of Inverter/VRF and VAV, integrating the best of HVAC with IT.

It is a variable airflow zoning system compatible with the residential and commercial range of ducted and ductless indoor units provided.

Each solution consists of Airzone touch thermostats, 4-step modulating dampers (12V) and a VAF control PCB.

- Cost effective, superior comfort.
- Efficient and enhanced energy savings.
- Small & mid-sized commercial applications.
- Multi-split residential projects.
- Compatible with radiant heating.
- Integrable with zone-supplemental heating systems.
- Individual temperature control in each zone.

Motorized round duct damper

Control board

Airzone thermostats

Airzone Cloud Webserver Wi-Fi

Relay box for radiant heating
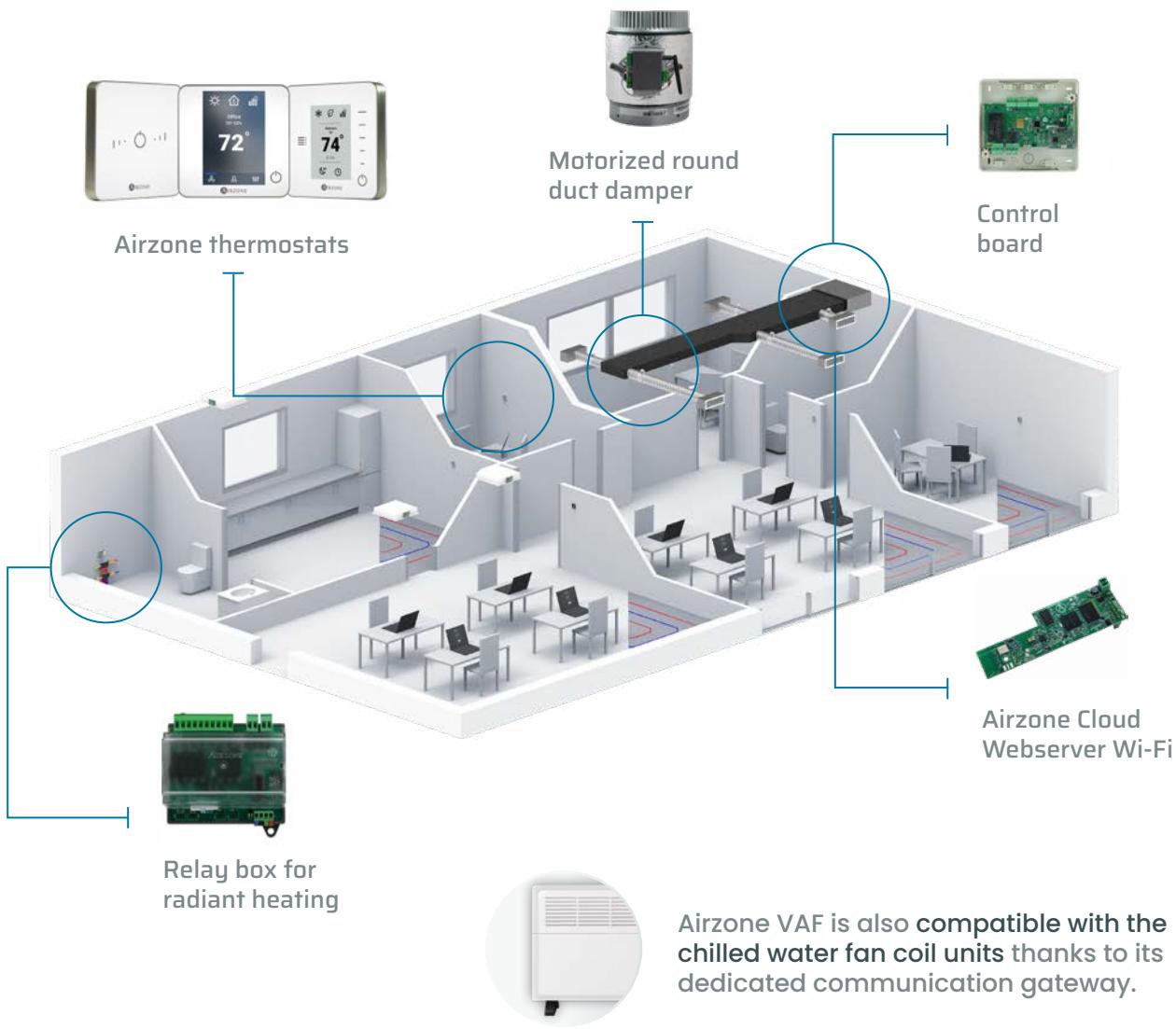
Airzone VAF is also **compatible with the chilled water fan coil units** thanks to its dedicated communication gateway.

Design and control

THE PERFECT BALANCE

Airzone Interfaces

🌡️ Temperature Control

💧 Relative Humidity Reading

▢ Metal and Glass
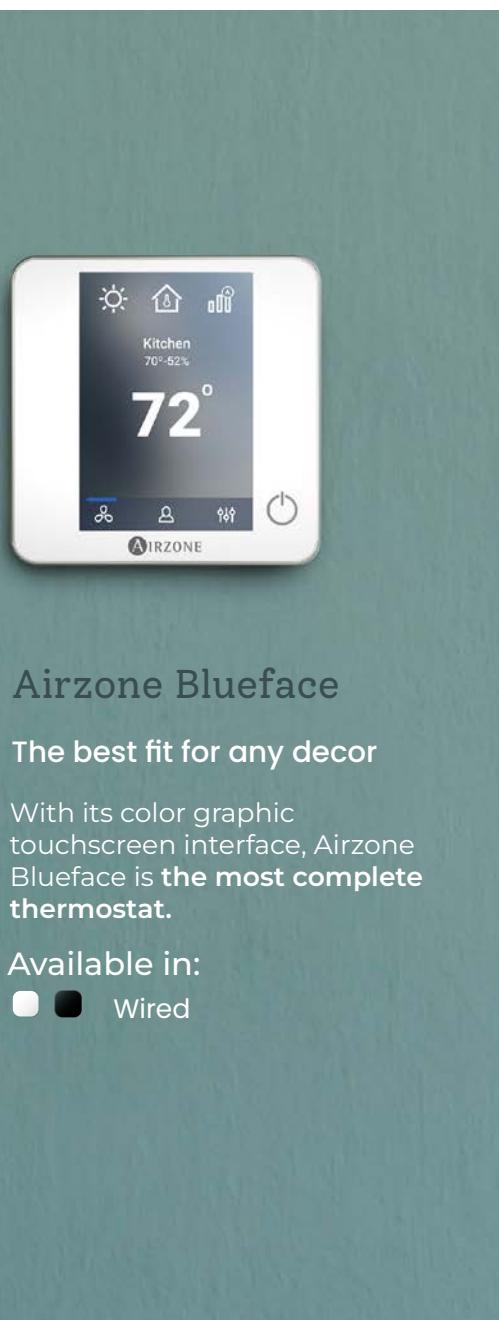
Airzone Blueface

The best fit for any decor

With its color graphic touchscreen interface, Airzone Blueface is **the most complete thermostat.**

Available in:

⬜ ⬛ Wired

Airzone Think

Available in:

⬜ ⬛ Wireless

Low consumption wireless technology.

Airzone Lite

Available in:

⬜ ⬛ Wireless | Wired

Simplest control for the most common needs.

Airzone Cloud

Full HVAC integration and **control wherever you go.** Centralized management.

Cloud technology

THE MOST COMPLETE AND INTUITIVE INTERFACE

Airzone Cloud

Remote control **is a fundamental feature when choosing smart control** for the home. With the Airzone Cloud app, you can manage your HVAC system remotely and program the use of the thermostat to ensure greatest efficiency.

Turning independent **zones on and off,** creating **time schedules** and conveniently **checking the weather forecast** are just some of the options offered by the application.

Thanks to the Airzone Cloud Webserver, **32 Airzone VAF systems, that make upto 320 zones, can be controlled from the same app.** This is attractive in particular for certain commercial and residential facilities such as offices, hotels, assisted livings, schools, etc.

Discover all the possibilities of Airzone Cloud

Fast, modern, and customizable:
The new Airzone Cloud app

- System grouping in the same building
- Renewed interface
- Different user types
- Widgets
- Fast and secure technology

Airzone solutions are also compatible with voice assistants of Amazon Alexa and Google which give all the user-friendly functionalities of these applications.

Are you ready to enjoy remote control?

Access the demo at
airzonecloud.com

To discover more: **airzonecontrol.com/blog**

Airzone bridges the gap

Full HVAC Integration

Airzone Control Systems allow the leading **Building Management** (BMS) and Home Automation (HA) Systems to seamlessly **integrate with Inverter/VRF technologies.**

- Plug & Play solutions.
- Control, combine and coordinate floor, AC and heating with 1 solution.
- Maximum comfort for the end user.
- Enhance energy efficiency and economic savings.
- Collaboration with the major HVAC manufacturers.
- Certified protocols, two-way communications and self-guided configuration.

AC and Radiant Heating integrated through **a single interface**

VRF · MULTI–SPLIT/SPLIT INVERTER AC

Zoning Systems   Control Solutions   Sustainable Construction   BMS · IoT Integration
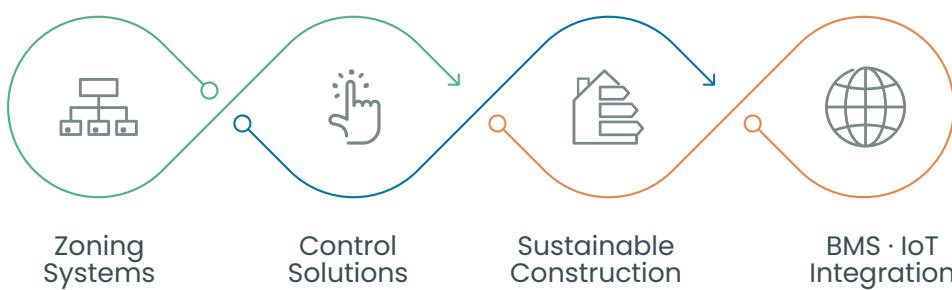
BMS/HA Control

Quick and easy installation

- Easily integrate any HVAC system regardless of its complexity with the leading BMS/Home Automation standards in no time.

Simple configuration

- Just download the drivers, select the preferred parameters and you are all set.
- No more complex and time-consuming programming.

Troubleshooting and maintenance

- You can easily diagnose the problems in other areas of the BMS system and discard those beyond your liability.

API Cloud and API REST

- The most secure, uncomplicated and fastest 3rd party integration.

Top Features

- Control independent zones with zoning.
- Setpoint temperature per zone.
- Temperature & Relative Humidity Sensor per zone.
- Air and radiant stage control.
- Set the Operation Mode of the entire installation.
- Integrate 3rd party thermostats.

BMS and IoT Control Systems

BACnet   Control4   CRESTRON   eedomus   FIBARO   KNX

LUTRON   Modbus   RTI   SAVANT   ZWAVE   amazon alexa   works with the Google Assistant

HVAC Manufacturers

Aidoo Wi-Fi Controller

Set the living room at 72 °F

Plug & Play, one-device solution

Most secure Cloud technology

Error codes and remote diagnostics

Integration with 3rd party systems

THE BEST ALTERNATIVE TO CONTROL INVERTER/VRF UNITS

- Multiple unit control with one app.
- Full two-way communication with the HVAC unit: On/Off, operation mode, fan speed and setpoint temperature.
- Time scheduling of user modes, temperature, and operation mode.
- Compatible with the manufacturer's thermostat.
- Maximized control, efficiency, and comfort with the simplest configuration.
- Easy to install: Aidoo comes in a user-friendly, compact package with the simplest directions to install in a matter of minutes.

Manufacturer's Thermostat

Aidoo Wi-Fi

Airzone Cloud
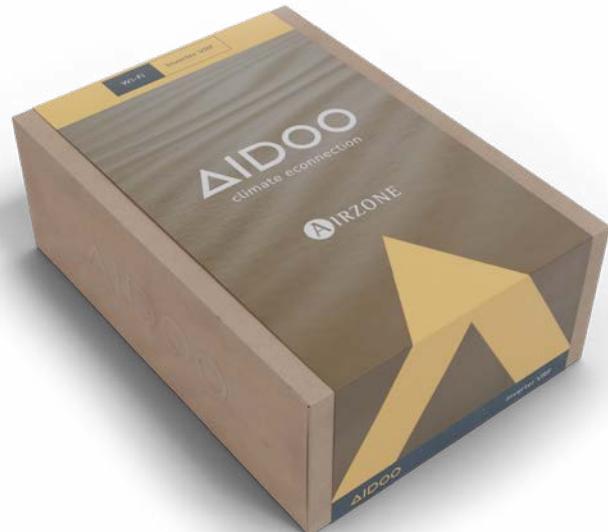
Aidoo Pro Controller
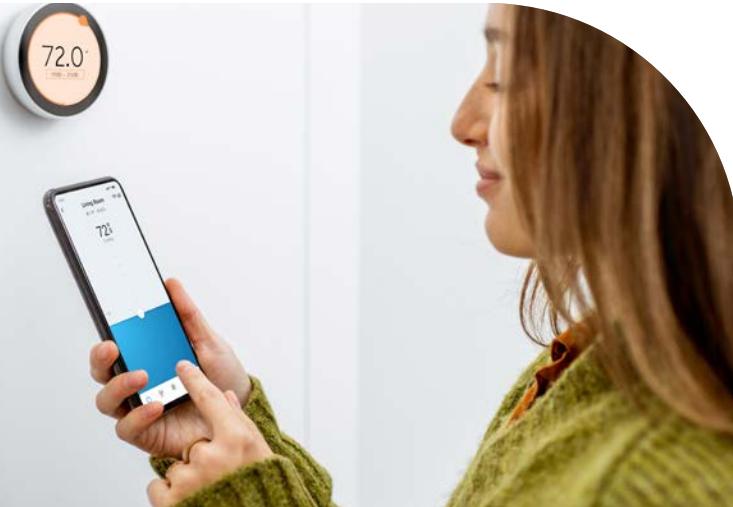
- Plug & Play, one-device solution
- 3rd pary smart thermostats
- Heating & Cooling Cloud control
- Error codes and remote diagnostics

FULL INTEGRATION SOLUTION TO CONTROL INDIVIDUAL INVERTER/VRF UNITS REMOTELY

- Compatible with both ducted and ductless HVAC systems in residential and commercial.
- Integration with any Home Automation/BMS system via local and Cloud API.
- Communication port for BACnet/Modbus integration (BACnetMS/TP).
- 12 VdC relay output for auxiliary heat, and digital input for occupancy sensor or open window contact.
- 24/7 Smart diagnostics with reading of indoor unit warnings and errors.
- Third party smart thermostat integration (such as Nest, Honeywell and Ecobee) via Cloud – keeping Inverter/VRF features intact.
- Self-powered by external power supply provided.
- Dual Wi-Fi capable: 2.4/5G.

Manufacturer's Thermostats — Aidoo Pro — 3rd Party Smart Thermostats — 3rd Party Cloud

Airzone Cloud

Never too far from home with Aidoo

Control your HVAC settings **from anywhere in the world using the Airzone Cloud App.** Access to Aidoo remotely and set the perfect temperature back home for maximum comfort.

With Aidoo, a few words are enough

Connect with Amazon Alexa and Google Assistant to voice control the AC unit.

24/7 Smart remote diagnostics with Airtools

Receive the most up-to-date main unit parameters and error codes real time thanks to **the Airtools function of the Airzone Cloud App.**

Guidelines

VAF ZONING SOLUTION

Airzone VAF Zoning Solution and Aidoo Controller are compatible with the ducted and ductless indoor units.

1. Always select one Airzone VAF Controller with an integrated communications gateway **AZVAFCB2XXX.**

2. Always select one Blueface Main Controller **AZVAFBLUEZEROCB**

3. Select a Zone Controller for each zone except for the main one that already has a main Blueface Controller selected. These Zone Controllers could be either wired **AZVAFLITECB** or wireless **AZVAFTHINKRB / AZVAFLITERB.** Note that the system can control up to 10 zones.

4. Select as many smart motorized dampers as needed. They could be wired or wireless, depending on the user's needs.
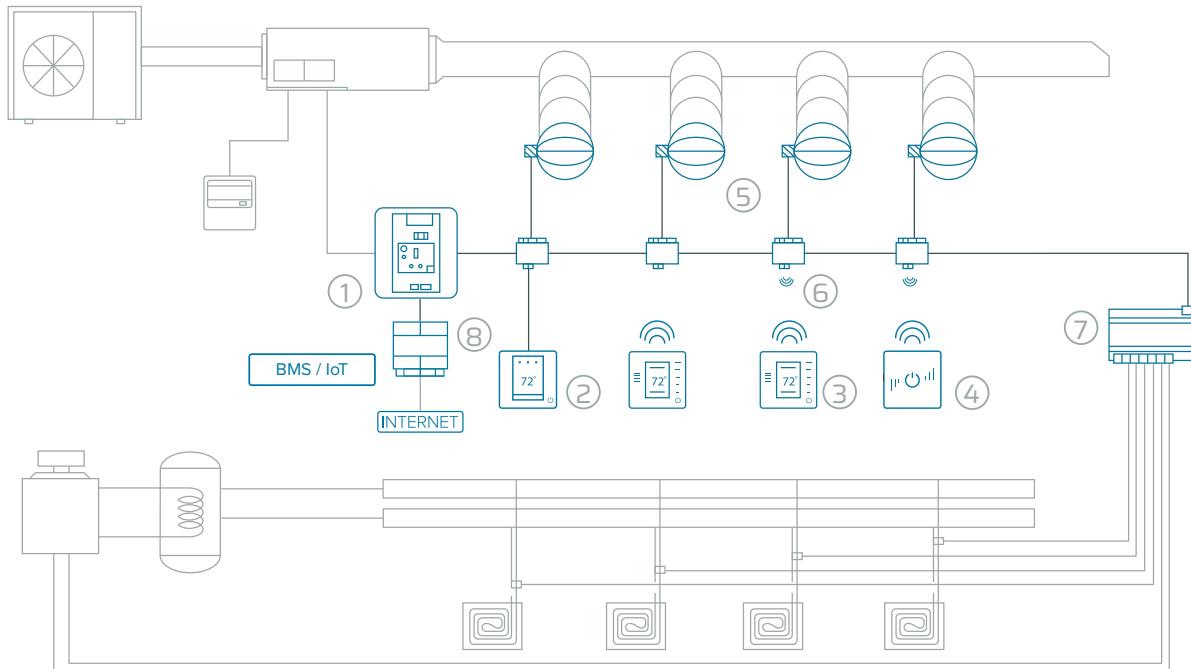
	Reference	Description	Units
1	AZVAFCB2[XXX]	Airzone VAF Control board with [XXX] communication region 2	1
2	AZVAFBLUEZEROCB	Airzone Blueface Zero VAF wired controller white	1
3	AZVAFTHINKRB	Airzone VAF wireless Think controller white	1
4	AZVAFLITERB	Airzone VAF wireless Lite controller white	1
5	AZVAFDAMPER[XX]C	Airzone VAF [XX] wired intelligent round damper	2
6	AZVAFDAMPER[XX]R	Airzone VAF [XX] wireless intelligent round damper	2
7	AZVAF5OUTPUTS	Airzone VAF relay radiant heat control module	1
8	AZX6WSPHUB	Webserver HUB Airzone Cloud Ethernet - Wi-Fi	1

Replace [XXX] with the code corresponding to the brand:

DA0 = Daikin Residential	GRE = Gree U-Match R410A	HS2 = Hisense VRF	MEL = Mitsubishi Electric	SA2= Samsung Nasa
DA1 = Daikin Sky Air/VRV	GR1 = Gree U-Match R32	LGE = LG	MHI = Mitsubishi Heavy	TOS = Toshiba
FU2 =Fujitsu UART	HS1 = Hisense 1x1	MD1= Midea V5	PAN = Panasonic PACi	

AIRZONE

Designed & Manufactured in EU

Airzone Tech Support
1-866-797-1797 (Mon-Fri 8:30am-5pm EST)

airzonecontrol.com